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CLEANED-UP VERSION OF SPECIFICATION

5 TITLE OF THE INVENTION

ELECTRIC DRIVE DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority to DE 102 42 833.6, which was filed September 14, 2002, the contents of which are incorporated by reference in their 10 entirety.

BACKGROUND OF THE INVENTION

The invention concerns an electric drive device.

A large number of electric drive devices are known on the basis of the state of the art. Hence, one distinguishes direct current motors from three phase 15 current motors and synchronous motors from asynchronous motors on the basis of the state of the art.

The so-called transverse flow motor represents a completely new concept for such an electric drive device in comparison with the previously common electric drive devices. Transverse flow motors allow optimizing important 20 characteristics of electric drive devices, namely achieving a compact construction, restricting the mass and therewith the weight, as well as simultaneously guaranteeing a high power density and therewith higher efficiency of the electric drive device.

SUMMARY OF THE INVENTION

25 The present invention concerns the area of transverse flow motors.

The present invention is based upon the problem of creating an improved electric drive device, namely an improved transverse flow motor.

This problem is solved by an electric drive as described within the specification and claims.

30 Preferred refinements of the invention emerge from the specification and claims.